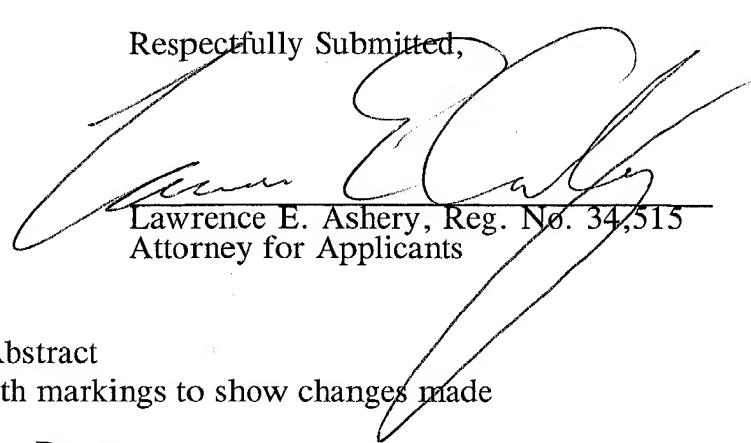


REMARKS

Claims 1 and 4 have been amended.

Respectfully Submitted,



Lawrence E. Ashery, Reg. No. 34,515  
Attorney for Applicants

LEA/dlm

Enclosures: Amended Abstract

Version with markings to show changes made

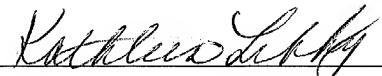
Suite 301, One Westlakes, Berwyn  
P.O. Box 980  
Valley Forge, PA 19482-0980  
(610) 407-0700

The Assistant Commissioner for Patents is  
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D.C. 20231.



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Kathleen Libby

## VERSION WITH MARKINGS TO SHOW CHANGES MADE

CLAIMS:

1. (Amended) A brushless motor comprising:

2                   a rotor with a permanent magnet having  $P$  ( $P$  is an integer not less

3                   than two) pieces of polarity polarities; and

4                   a stator facing said rotor and having a plurality of coils,

5                   wherein any one of the coils has isosceles sides interlinking with a

6                   magnetic field generated by the polarities, and extension lines of the isosceles

7                   sides, extending through along centers of winding-bundles of the coil, toward a

8                   shaft center crossing each other at the a shaft center and form having an vertex

9                   angle of  $360/P$  degree.

1                   4. (Amended) The brushless motor as defined in Claim 3,

2                   wherein the coils adjacent to each other is are spaced out at intervals of  $(360/P)$

3                    $\times (5/3)$  degree.

ABSTRACT:

A three-phase brushless motor includes a rotor with a permanent magnet having  $P$  ( $P$  is an integer not less than two) pieces of polarity polarities and a stator facing the rotor and having plural coils shaped in approx. triangle or trapezoid. A space between adjacent coils is  $(360/P) \times (5/3)$  degree. Three position-detectors, which detect the position of the rotor, is placed at intervals of  $(360/P) \times (2/3)$  degree in an area where no coils are placed. This structure allows the coils to be optimally shaped and placed, and realizes to reduce a number of coils as well as improve the motor characteristics.